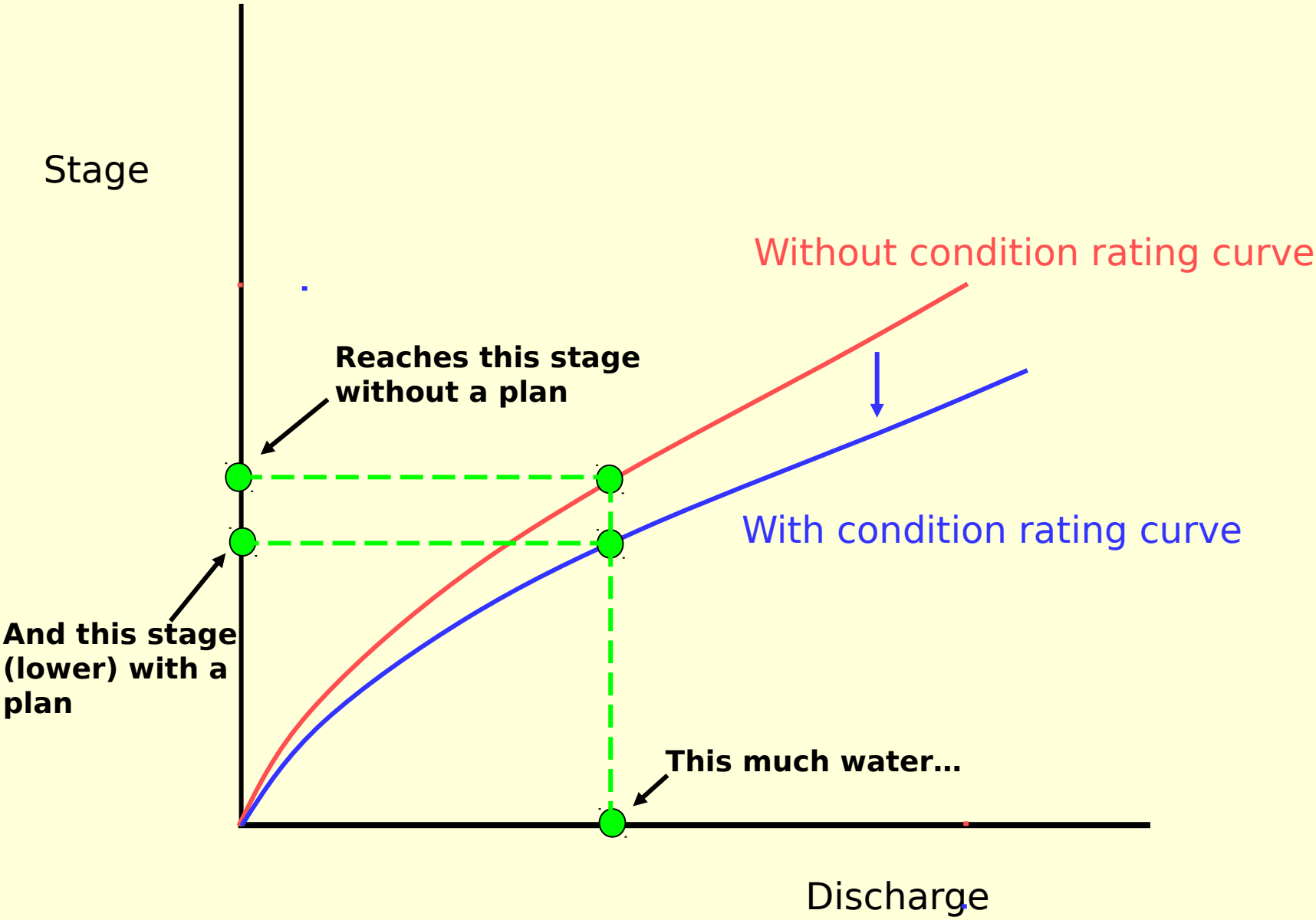
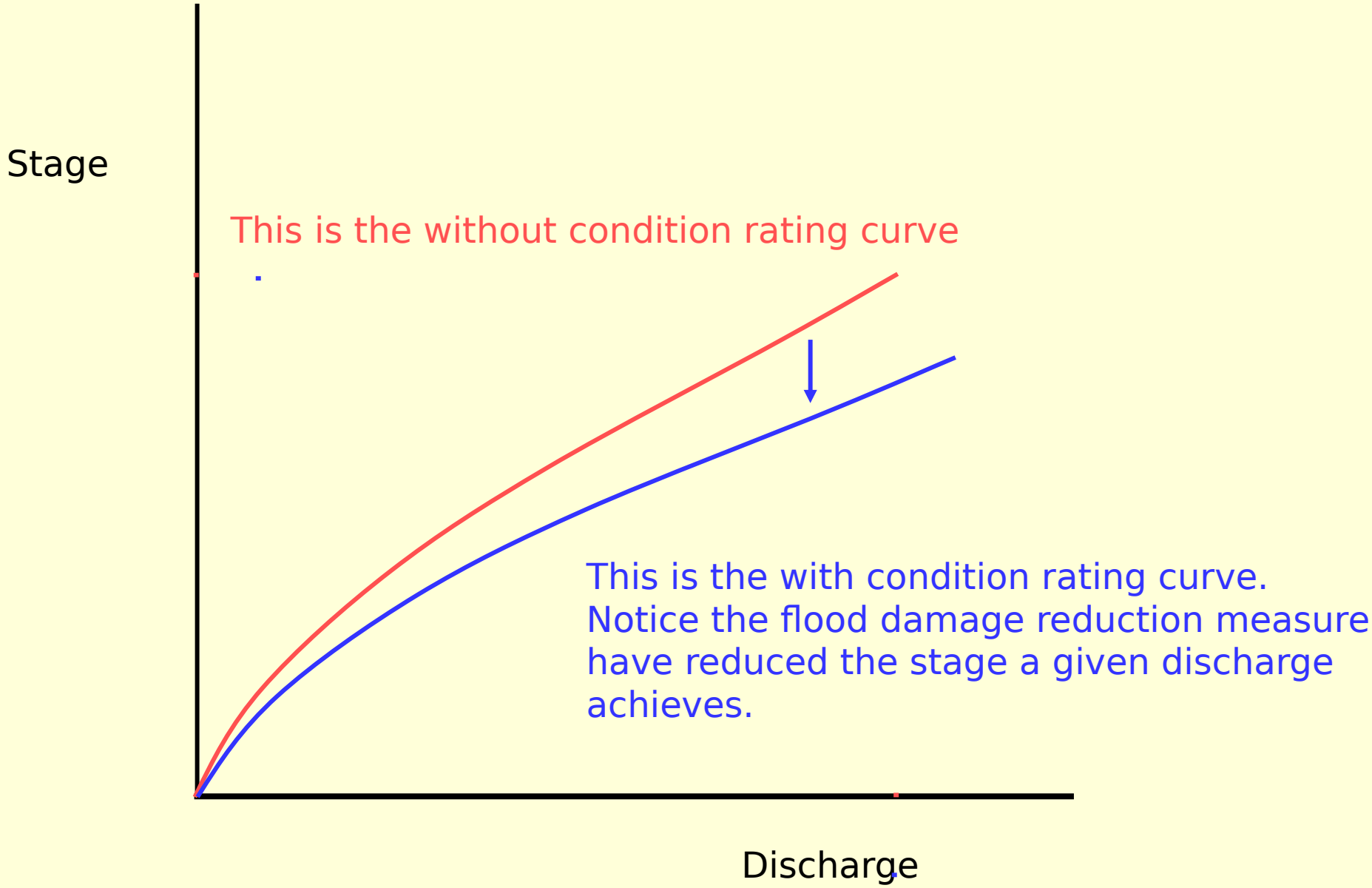

Stage
Without condition rating curve
Reaches this stage without a plan
With condition rating curve
And this stage (lower) with a plan
This much water…
Discharge


Stage
This is the without condition rating curve
This is the with condition rating curve.
Notice the flood damage reduction measure
have reduced the stage a given discharge
achieves.
Discharge

Some measures affect the stage-discharge curve.

What sorts of flood damage reduction measures might ‘lower’ the rating curve?

- Channel modifications
- Channel diversions
- Drainage system maintenance
- Erosion and sediment control